

REMARKS

The Examiner on page 2, paragraph 3, in the Office action, objected to the Declaration submitted with the filing of the present application as being defective in failing to identify the prior co-pending non-provisional application by application number and filing date. A new Declaration was required.

A new Declaration is not being submitted as the originally filed Declaration on line 6 states: "--this application in part discloses and claims subject matter disclosed in my earlier filed pending application Serial No. 09/109,725, filed July 2, 1998" and thus, the Declaration contains the required language in order for applicants to maintain priority to their prior co-pending patent application.

Formal Drawings are being filed with this paper.

The Examiner has objected to a reference sign O in Fig. 18 as the reference sign was not disclosed in the specification. Applicants have amended Fig. 18 to remove the reference sign O.

The Examiner has objected to a reference sign 46 as referring to two elements. Reference sign 45 has been added to Fig. 17 and the Specification on page 13 last paragraph, beginning on line 11, has been amended to replace reference sign 46 with 45.

Originally filed Figures, replacement and annotated sheets showing changes to the Formal Figures are attached hereto.

The Examiner objected to the Title of the Invention as being descriptive. In the specification, the Title of the Invention has been amended pursuant to the Examiner's suggestion.

Claims 1-3, 8-15 remain in this application. Claims 4-7 have been canceled. Claims 1, 2 and 3 have been amended. Claims 8-15 have been added.

No new matter has been added.

According to pages 4-6, paragraph 9-15 of the Office action, claims 1-7 are rejected under 35 U.S.C. 112, second paragraph as being indefinite because of the claim recitations of: (a) "evaluation and design" in claim 1, (b) "structural product formed in accordance with geometrical modeling" in claim 1, (c) "common and unique--" in claim

1, (d) "such--" in claim 3, and (e) "points on curves, edges, faces on solids" in claim 3. The foregoing referred to claim recitations (a), (b), (c) and (d) have been deleted and claims 4-7 have been canceled. In amending claim 3, the phrase associated with the canceled term "such" has been clarified by indicating that all of the limitations set forth on line 3 are "parts of the physical body". Thus, all of the stated reasons for rejections of the claims under 35 U.S.C. 112 are removed.

According to pages 6-7, paragraph 17 in the Office action, claims 1, 2 and 3 are rejected under 35 U.S.C. 102(b) as anticipated by the disclosure in the Letcher, Jr. patent. However claim 1 as now amended together with claims 2 and 3 dependent therefrom distinguish over the Letcher, Jr. patent by recitation of: "a physical body having physical surface portions--associating unique properties--with said--interconnection between the physical surface portions". Such distinguishing recitations in claim 1 are further emphasized in dependent claim 2 by the recitation: "said topological views overlap to form said interconnection--", and in dependent claim 3 by the recitation: "connecting boundary elements--to establish said interconnection between the physical surface portions". New claims 8-10 also distinguish over the Letcher, Jr. patent as hereinbefore pointed out with respect to claim 1. Claims 11 and 12 dependent from claim 10, further emphasize the latter referred to distinguishing recitations of parent claim 10 by respective reference to the two different embodiments of the present invention shown in FIGS. 14 and 17.

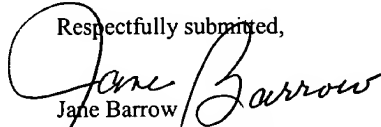
According to the disclosure in the Letcher, Jr. patent, computer-aided modeling is applied to a 3-dimensional wireframe object 15, which does not have two curved intersecting portions or two solid volume portions attached at a common connector surface, as respectively called for in the claims as hereinbefore pointed out. Accordingly claims 1, 2, 3, 8, 9, 10, 11 and 12 distinguish over the prior art of record applied.

New claims 13-15 have been added to further define the invention.

In the event a fee is required, please charge the fee to Deposit Account 50-0958, and in the event that there is a credit due, please credit Deposit Account 50-0958.

In view of the above, each of the presently pending claims in this application is believed to be in immediate condition for issuance.

Respectfully submitted,



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